

Exhibit 2

CLASS

SUB.

PTO - 666
(Rev. 9 - 83)

U.S. Dept. of Comm.
Patent & TM Office

SHOE LABEL

**(MAYBE PRINTED IN WHITE, BLUE, PINK OR
YELLOW HARD STOCK PAPER)**

Cyberbit #

CONTRACTOR'S DAILY LOG SHEET

REFERENCE FILING

WEEK OF _____

GROUP _____

PICK-UP LOCATION _____

DAY	PICKED UP BY:	DATE	TIME
MONDAY			
MONDAY			
TUESDAY			
TUESDAY			
WEDNESDAY			
WEDNESDAY			
THURSDAY			
THURSDAY			
FRIDAY			
FRIDAY			

GOVERNMENT REPRESENTATIVE _____

CONTRACTOR'S INDIVIDUAL BATCH SHEET
REFERENCE FILING

BATCH # _____ **DATE** _____

GROUP _____ **CLASS** _____ **SUBCLASS** _____

OF DOCUMENTS _____ **SR** _____

SORTED BY _____ **DATE/TIME COMPLETED** _____

FILED BY _____ **START TIME** _____ **STOP TIME** _____

FILED BY _____ **START TIME** _____ **STOP TIME** _____

COUNT FILED _____

GOVERNMENT COUNT _____

GOVERNMENT REPRESENTATIVE _____

COMMENTS: _____

Exhibit 6

CONTRACTOR'S DAILY GROUP BATCH SHEET
REFERENCE FILING

GROUP _____

DATE _____

FILING CLERK _____

TOTAL NO. OF BATCHES _____

TOTAL NO. OF DOCUMENTS _____

BATCH #	PATENTS	BATCH #	PATENTS	BATCH #	PATENTS
1	_____	25	_____	49	_____
2	_____	26	_____	50	_____
3	_____	27	_____	51	_____
4	_____	28	_____	52	_____
5	_____	29	_____	53	_____
6	_____	30	_____	54	_____
7	_____	31	_____	55	_____
8	_____	32	_____	56	_____
9	_____	33	_____	57	_____
10	_____	34	_____	58	_____
11	_____	35	_____	59	_____
12	_____	36	_____	60	_____
13	_____	37	_____	61	_____
14	_____	38	_____	62	_____
15	_____	39	_____	63	_____
16	_____	40	_____	64	_____
17	_____	41	_____	65	_____
18	_____	42	_____	66	_____
19	_____	43	_____	67	_____
20	_____	44	_____	68	_____
21	_____	45	_____	69	_____
22	_____	46	_____	70	_____
23	_____	47	_____	71	_____
24	_____	48	_____	72	_____

THIS DOCUMENT IS TO RECORD THE NUMBER OF BATCHES AND PATENTS SORTED EACH DAY FROM THE AMOUNT DROPPED BY THE GOVERNMENT AND PICKED UP BY THE CONTRACTOR. A SEPARATE SHEET IS TO BE COMPLETED EACH DAY FOR EACH GROUP.
PTO FORM 206

DATE : _____

TO : _____

FROM : _____

SUBJECT : NOTICE OF AUTHORITY FOR SEARCH FILE EXPANSION

NOA Number: _____

Start Date : _____ **Complete Date:** _____

Search Room: _____ **Class(es) :** _____

Subclass(es) : _____

Government Representative: _____

Telephone No. : _____

Special Instructions : _____

RECEIVED: Contractor

Date

PROJECT SCHEDULE

JANUARY 1994

	PROJECT NO.	COUNT	LENGTH OF TIME TO COMPLETE	DOCUMENTS	HOURS
PREPROCESSING	9312M3208	5522	2 WEEKS		
	9312M3211	10718	3 WEEKS		
	9312M3223	3160	2 WEEKS		
	9401M3235	4584	2 WEEKS	23984	1012
ADD CLASS	8910E0315	14897	3 WEEKS		
	9302C2156	4962	2 WEEKS		
	8807M0214	1306	1 WEEK		
	9302C2221	283	1 WEEK	21448	
DATA CAPTURE	9206C1891	1249	1 WEEK		
	9305C2601	1187	1 WEEK		
	9110C1573	4388	1 WEEK		
	8712E9975	29892	4 WEEKS		
	9205C1837	4352	1 WEEK	41068	428
FINAL PROCESSING (PSR)	9101C1421	28097	4 WEEKS		
	9208D1938	12278	3 WEEKS		
	9208Z2055	1114	1 WEEK	41489	1680
FINAL PROCESSING (ESR)	9006E1092	14490	3 WEEKS		
	9104C1519	9125	2 WEEKS		
	9211C2094	2269	1 WEEK		
	9211M2245	1760	1 WEEK	27644	1119
TOTAL				155633	4239

PROCESSING SCHEDULE

JANUARY 1994

	PROJECT NO.	COUNT	START	COMPLETE	INSPECT	DOC.	HRS.
PREPROCESSING	9312M3208	5522	01/05/94	01/19/94	01/20/94		
	9312M3211	10718	01/03/94	01/24/94	01/25/94		
	9312M3223	3160	01/05/94	01/19/94	01/20/94		
	9401M3235	4546	01/05/94	01/19/94	01/20/94	23946	1010
ADD CLASS	9310E0315	14897	01/10/94	01/31/94	02/01/94		
	9302C2156	4962	01/13/94	01/27/94	01/28/94		
	9302C2221	279	01/13/94	01/20/94	01/21/94		
	8807M0214	1306	01/13/94	01/20/94	01/21/94	21444	
DATA CAPTURE	9206C1891	1249	01/07/94	01/13/94	01/14/94		
	9305C2601	1187	01/07/94	01/13/94	01/14/94		
	9110C1573	4388	01/07/94	01/13/94	01/14/94		
	8712E9975	29892	12/30/93	01/28/94	01/31/94		
	9205C1837	4352	01/18/94	01/24/94	01/25/94	41068	
FINAL PROCESSING (PSR)	9101C1421	28097	01/06/94	02/03/94	02/04/94		
	9208D1938	12278	01/07/94	01/28/94	01/31/94		
	9208Z2055	1114	01/18/94	01/24/94	01/25/94	41489	1680
FINAL PROCESSING (ESR)	9006E1092	14490	12/29/93	01/20/94	01/21/94		
	9104C1519	9125	12/27/93	01/10/94	01/11/94		
	9211C2094	2269	12/27/93	01/03/94	01/04/94		
	9211M2245	1760	01/20/94	01/26/94	01/27/94	27644	1119
TOTAL						155,633	4239

Ce helut 11

**NOTICE OF AUTHORITY FOR PROCESSING
UNDER CONTRACT NUMBER 50-PAPT-5-00013**

Project Number _____ **Tech Center/Art Unit** _____

Project Leader _____ **Telephone No.** _____

Project Classifications _____

Project Pickup Date _____ **Pickup Location** _____

Project Completion Date _____ **Return Location** _____

Project Type:

☐ **File Integrity** ESR PSR

☐ **File Inventory** (ESR only)

☐ **Preprocessing** original project Add Class

☐ **Data Capture** documents listings

☐ **Final Processing**

_____ Regular Reclass ESR PSR
_____ Electronic Reclass ESR PSR
_____ Alpha Conversion ESR PSR
_____ Foreign Documents (ESR Only)

☐ **Miscellaneous Document Processing**

_____ Label Alpha Documents (ESR only)
_____ Missing Replacement (ESR only)
_____ PTO-14/MTR Processing
_____ Other

Special Instructions: _____

Approved (Government) Date Received (Contractor) Date

cc: Contractor
Project Control
Project File

United States Patent [11]

Boyce et al.

Patent Number: 5,887,115

[45] Date of Patent: Mar. 23, 1999

[54] **METHOD AND APPARATUS FOR IMPLEMENTING A VIDEO TAPE RECORDER FOR RECORDING DIGITAL VIDEO SIGNALS HAVING EITHER A FIXED OR VARIABLE DATA TRANSMISSION RATE**

A-0562845 9/1993 European Pat. Off. .
A-4-14973 1/1992 Japan .
A-5-137114 6/1993 Japan .
WO 91/02430 2/1991 WIPO .

OTHER PUBLICATIONS

[75] Inventors: **Jill MacDonald Boyce**, Manalapan;
Frank Anton Lane, Medford Lakes;
Joseph E. Augenbruan, Princeton, all
of N.J.

[73] Assignee: **Hitachi America, Ltd.**, Tarrytown, N.Y.

[21] Appl. No.: **340,683**

[22] Filed: **Nov. 16, 1994**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 228,949, Apr. 18, 1994, which is a continuation of Ser. No. 4,158, Jan. 13, 1993, abandoned, and a continuation-in-part of Ser. No. 184,716, Jan. 21, 1994.

[51] Int. CL⁶ **H04N 5/91; H04N 5/917**
[52] U.S. Cl. **386/129; 386/109**
[58] Field of Search **358/335, 342,**
358/310, 312, 330; 360/10.1, 10.3, 32,
33.1; 348/384, 397, 409, 419, 729; 386/46,
109, 111, 112, 129, 124; H04N 5/91, 5/917

[56] References Cited

U.S. PATENT DOCUMENTS

3,934,268 1/1976 Uemura .
4,031,548 6/1977 Kato et al. .
4,139,867 2/1979 Foerster .
4,193,098 3/1980 Bixby et al. .

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

A-0367-264 5/1990 European Pat. Off. .
A-0367264 5/1990 European Pat. Off. .
A-0469-842 2/1992 European Pat. Off. .
A-0469842 2/1992 European Pat. Off. .
A-0505985 9/1992 European Pat. Off. .
A-0509594 10/1992 European Pat. Off. .

Morrison, Nilsson & Ghanbari, "Reduction of the Bit-Rate of Compressed Video While in its Coded Form", Centre for Human Communications, BT Labs, Martlesham Heath, Ipswich IP57RE, UK Dept. of Electronics Systems Engineering, University of Essex, Wivenhoe Park, Colchester CO43SQ, UK pp. 1-5, 1994.

M.S. Hong, T.E. Kim, Y.K. Kim, G.M. Park, S.K. Kim, IEEE 1992 International Conference on Consumer Electronics Digest of Technical Papers, "Adaptive Bit Allocation Coder for DVCR Trick Play", Jun. 2, 1992, pp. 110-111.

(List continued on next page.)

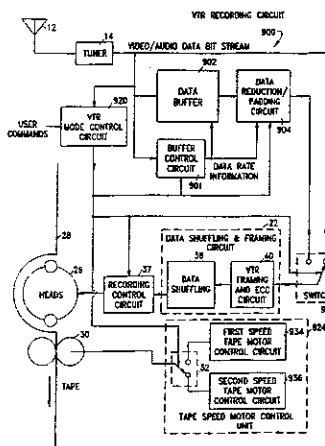
Primary Examiner—Robert Chevalier

Attorney, Agent, or Firm—Michael P. Straub; Peter L. Michaelson; Michaelson & Wallace

[57] ABSTRACT

Methods and apparatus for converting digital signals having a variable data rate to fixed data rate signals suitable for recording on a tape by a digital video tape recorder are disclosed. The methods include buffering of the received variable rate data, measuring the data rate of the received data for a fixed period of time and processing the buffered data to converted it into a fixed rate data stream. This processes is repeated for each of the fixed periods of time. Methods for increasing the recording time of a digital video tape recorder ("VTR") and for supporting multiple normal play modes of digital VTR operation, e.g., recording modes for recording SDTV and HDTV are also disclosed. To generate fixed data rate signals from variable data rate signals one or more of data padding and/or data reduction techniques are used. The same data reduction techniques used to generate the fixed rate data stream are used, in accordance with various embodiment of the invention, to reduce the amount of data required to represent a video frame.

31 Claims, 9 Drawing Sheets



PROJECT DISCREPANCY REPORT

PROJECT # _____

PROJECT TYPE _____

DATE _____

1. MISFILES

2. FOUNDS

3. BADS (LOCATED & COPIED)

4. PROJECT TRANSFERS

5. SURPLUS

6. DOUBLE MISSINGS (SFQI ONLY)

7. MISSING (PREPROCESSING, FINAL
PROCESSING, ESF ONLY) ¹

8. CANCELS

PSR	ESR

¹ LIST OF PATENT NUMBERS FOR WHICH COPIES WERE OBTAINED MUST BE ATTACHED.

Exhibit 18

CONTRACTOR'S DAILY LOG SHEET
REFERENCE COPYING

WEEK OF _____

GROUP _____

PICK-UP LOCATION _____

DAY	PICKED UP BY:	DATE	TIME
MONDAY			
MONDAY			
TUESDAY			
TUESDAY			
WEDNESDAY			
WEDNESDAY			
THURSDAY			
THURSDAY			
FRIDAY			
FRIDAY			

GOVERNMENT REPRESENTATIVE _____

CONTRACTOR'S DAILY LOG SHEET

DOCUMENT MAILING

WEEK OF _____

GROUP _____

PICK-UP LOCATION _____

DAY	PICKED UP BY:	DATE	TIME
MONDAY			
MONDAY			
TUESDAY			
TUESDAY			
WEDNESDAY			
WEDNESDAY			
THURSDAY			
THURSDAY			
FRIDAY			
FRIDAY			

GOVERNMENT REPRESENTATIVE _____

APPLICATION FILE RETRIEVAL BATCH SHEET

DATE _____ PALM LOCATION _____

BATCH # _____ ROOM NO. _____

GROUP _____ TEAM _____

NUMBER OF DOCUMENTS _____

NUMBER OF FILES NEEDED _____

TURNAROUND REQUIRED:

_____ 1 HOUR

_____ 8 HOURS

Pick Up a.m. _____ p.m. _____
(check one)

NUMBER OF FILES LOCATED _____

NUMBER OF FILES NOT LOCATED _____

**CONTRACTOR SHOULD PALM APPLICATION FILES TO PALM LOCATION
SHOWN ABOVE AND DELIVER FILES TO ROOM NUMBER INDICATED.**

CONTRACTOR'S DAILY LOG SHEET

APPLICATION FILE RETRIEVAL

WEEK OF _____

GROUP _____

PICK-UP LOCATION _____

DAY	PICKED UP BY:	DATE	TIME
MONDAY			
MONDAY			
TUESDAY			
TUESDAY			
WEDNESDAY			
WEDNESDAY			
THURSDAY			
THURSDAY			
FRIDAY			
FRIDAY			

GOVERNMENT REPRESENTATIVE _____

PCT COPYING REQUEST FORM

DATE _____	
REQUESTER _____	BRANCH/SECTION _____
NUMBER OF DOCUMENTS _____	
NUMBER OF COPIES _____	
STAPLED <input type="checkbox"/> YES <input type="checkbox"/> NO	
PAPER TYPE:	
_____	8 1/2 X 11
_____	8 1/2 X 14
_____	A4
TURNAROUND TIME:	
_____	1 HOUR (GOVT. REP ONLY)
_____	4 HOURS (GOVT. REP ONLY)
_____	8 HOURS
DELIVERY REQUIRED:*	
<input type="checkbox"/> YES <input type="checkbox"/> NO	
SPECIAL INSTRUCTIONS: _____	

*DELIVERY AVAILABLE ONLY FOR REQUESTS WITH 8-HOUR TURNAROUND

PCT FILING BATCH SHEET

DATE: _____

NUMBER OF DOCUMENTS: _____

BATCH NO: _____

NUMBER OF FILES: _____

REQUESTER: _____

REQUESTER'S LOCATION: _____

DOCUMENTS TO BE FILED IN:_____
INTERNATIONAL APPLICATIONS_____
HOME COPY_____
SEARCH COPY_____
NATIONAL APPLICATIONS_____
ARTICLE 20 FOLDERS_____
ARTICLE 20 PAPERS TO BE LOCATED AND FILED IN APPLICATION FILE_____
DISPOSITION OF FILES_____
FILE IN FILE ROOM_____
DELIVER TO REQUESTER-----
TO BE COMPLETED BY CONTRACTOR:

NUMBER OF DOCUMENTS FILED: _____

NUMBER OF DOCUMENTS RETURNED TO GOVT. REP. _____

NUMBER OF FILES FILED OR DELIVERED (CIRCLE ONE) _____

ARTICLE 20 FOLDERS CREATED _____

PCT CENTRAL FILES REQUEST FORM

REQUESTER: _____ DATE: _____

PHONE NO: _____ NO. CASES: _____

REQUESTER'S PALM LOCATION: _____

DELIVERY LOCATION: _____

REQUESTED SERVICE:

_____ WAITING (5 FILES MAXIMUM)
 _____ PICKUP (15 FILES MAXIMUM) AFTER 1 HOUR
 _____ DELIVER _____ WITHIN 8 HOURS _____ WITHIN 5 DAYS

FILES REQUIRED: (PLEASE LIST IN NUMERIC ORDER)

PCT CASE(S)

US CASE(S)

<u>SERIAL NO.</u>		<u>PALM LOC.</u>	<u>SERIAL NO.</u>	<u>PALM LOC.</u>
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____
_____	H S B	_____	_____	_____

THE CONTRACTOR WILL NOT RELEASE FILES IF PALM IS NONOPERATIONAL.

THE CONTRACTOR WILL DELIVER ONLY TO THOSE LOCATIONS PROVIDED FOR UNDER THE CONTRACT.

COUNT VERIFICATION SHEET REFERENCE FILING

PTO REPRESENTATIVE _____ GROUP _____ DATE _____

CONTRACTOR REPRESENTATIVE _____

BATCH NO.	CONTR. BATCH COUNT	PTO BATCH COUNT	VARIANCE	RECONCILED COUNT	NOTES

COMMENTS:

SEARCH ROOM INSPECTION REPORT

DATE _____

SAMPLE SIZE _____

SEARCH ROOM _____

INSPECTOR _____

- _____ LABEL PROBLEMS
- _____ SHOES NOT IN CLASS/SUBCLASS ORDER
- _____ DOCUMENTS OUT OF ORDER IN SHOE(S) (___US ___FOREIGN)
- _____ FOREIGN AND NPL DOCUMENTS NOT PROPERLY FILED BEHIND APPROPRIATE U.S. CLASSIFICATION
- _____ UNFILED DOCUMENTS OR SHOES STORED ON TOP OF OR UNDER SHOECASES
- _____ SHOES MISSING/SCATTERED AROUND SEARCH ROOM
- _____ SHOES OVERCROWDED -- FILE EXPANSION NEEDED (NOTE FULL OR MINI BELOW)
- _____ SPECIAL REQUIREMENTS NOT MET
- _____ FAILED REFILING QUALITY/TIMELINES INSPECTION
 - _____ NO. SAMPLE DOCUMENTS CORRECTLY FILED
 - _____ NO. SAMPLE DOCUMENTS MISSING
 - _____ NO. SAMPLE DOCUMENTS MISFILED
- _____ OTHER

OVERALL CONDITION OF SEARCH ROOM IS _____.

REMARKS: _____

*** This count is not included in allowable counts for billing purposes.**

**WEEKLY COUNT SHEET
REFERENCE COPYING
WEEK OF _____**

GROUP		IMAGES	DOCUMENTS	REWORK IMAGES*
C M 1	1600			
	TOTAL			
C P 2	3700			
	TOTAL			
C P 3	1700			
	TOTAL			
C P 4	2800			
	TOTAL			
C P K 1	3600			
	Petitions			
	TOTAL			
C P K 2	2700			
	TOTAL			
	GRAND TOTAL			

* This count is not included in allowable counts for billing purposes.

Exhibit 36

DAILY/WEEKLY COUNT SHEET
REFERENCE FILING

WEEK ENDING

[illegible]

[illegible]

FILE EXPANSIONS COMPLETED

MONTH OF _____

NOA NO.	GROUP/AU	CLASS/SUB	NO. SHOES	STAFF DAYS
TOTAL				

DATA CAPTURE REPORT
FOR THE MONTH OF _____

PROJECT #	DOCUMENTS KEYED
PAGE TOTAL	
TOTAL FOR MONTH	

**FINAL PROCESSING WORK REPORT
FOR THE MONTH OF _____**

[illegible]

Appendix 42

FILE INVENTORY REPORT

FOR THE MONTH OF _____

[illegible]

1 ONLY DOCUMENTS WHOSE CORRECT LOCATION IS OUTSIDE OF THE CLASSIFICATIONS INVEN-
TORIED SHOULD BE REPORTED HERE.

² ONLY PROBLEM DOCUMENTS NOT COUNTED ELSEWHERE SHOULD BE RECORDED IN THIS COLUMN.

3 ONLY DOCUMENTS STILL MISSING AFTER SECOND CHECK OF SHOES SHOULD BE REPORTED HERE.

Exhibit 43

[illegible]

FOR THE MONTH OF _____

***LIST OF MISSING PATENT NUMBERS FOR A PROJECT MUST BE ASSOCIATED WITH THE DISCREPANCY DOCUMENTS FOR THE PROJECT AND GIVEN TO THE GOVERNMENT INSPECTORS.**

U.S. PATENT REPRODUCTION REPORT

FOR THE MONTH OF _____

PROJECT #	PROJECT TYPE	1 BADS		2 ADDITIONALS		3 OTHER		TOTAL (1+2+3)	
		DOCS	IMAGES	DOCS	IMAGES	DOCS	IMAGES	DOCS	IMAGES
TOTAL FOR MONTH									

FOREIGN PATENT REPRODUCTION REPORT

FOR THE MONTH OF _____

PROJECT NUMBER	BEGINNING METER READING	ENDING METER READING	TOTAL ORIGINALS	TOTAL COPIES
TOTAL FOR MONTH				

MONTHLY COUNT SHEET
REFERENCE COPYING
 MONTH OF _____

Exhibit 47

GROUP	TECH CENTER	IMAGES	DOCUMENTS	REWORK IMAGES*	UNIT PRICE	TOTAL PRICE	INVOICE PRICE
C M 1	1600						
	TOTAL						
C P 2	3700						
	TOTAL						
C P 3	1700						
	TOTAL						
C P 4	2800						
	TOTAL						
C P K 1	3600						
	Petitions						
	TOTAL						
C P K 2	2700						
	TOTAL						
	GRAND TOTAL						

* This count is not included in allowable counts for billing purposes.

Cykellet 48

GRP (TECH CTR)	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTALS
	DOC	DOC	DOC	DOC	DOC	DOC
1600						
1700						
2700						
2800						
3600						
3700						
TOTAL						

Agilbert 50

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

[illegible]

Exhibit 51

MONTH/YEAR _____

[illegible]

Exhibit 52

[illegible]

MONTHLY COUNT SHEET
MAINTENANCE OF APPLICATION FILE STORAGE AREAS

MONTH/YEAR _____

[illegible]